

PATENT APPLICATION DECLARATION AND POWER OF ATTORNEY

I HEREBY DECLARE THAT:

My residence, post office address, and citizenship are as stated below.

I believe I am the original, first, and sole inventor (if only one name is listed) or an original, first, and joint inventor (if plural names are listed) of the subject matter which is claimed and for which a patent is sought on the invention entitled: LONG-TERM EXPRESSION OF GENE PRODUCTS the specification of which:

☒ is attached hereto;

☐ was filed on _____ as Application Serial No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to herein.

I acknowledge the duty to disclose all information to the Patent and Trademark Office known to me to be material to patentability of this application, as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following as my attorneys or agents with full power of substitution to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:

Randall T. Erickson	Reg. No. 33,872	Kathleen A. Lyons	Reg. No. 31,852	Robert B. Polit	Reg. No. 33,993
Nancy R. Gamburd	Reg. No. 38,147	John P. Milnamow	Reg. No. 20,635	Keith V. Rockey	Reg. No. 24,713
Stephen D. Geimer	Reg. No. 28,846	Thomas E. Northrup	Reg. No. 33,268	Thomas I. Ross	Reg. No. 29,275
Allen J. Hoover	Reg. No. 24,103	Lisa V. Mueller	Reg. No. 38,978	Joel E. Siegel	Reg. No. 25,440
Martin L. Katz	Reg. No. 25,011	Paul M. Odell	Reg. No. 28,332	Paul M. Vargo	Reg. No. 29,116

whose mailing address for this application is:

ROCKEY, MILNAMOW & KATZ, LTD.
Two Prudential Plaza - Suite 4700
180 North Stetson Avenue
Chicago, Illinois 60601
Telephone: (312) 616-5400

Full name of SOLE or FIRST inventor Jeffrey M. Leiden

Citizenship US Residence 5639 S. Drexel
Chicago, Illinois 60637

Post Office Address (If different) _____

Inventor's signature: J. M. Leiden

Date: 6/12/99

Full name of SECOND joint inventor, if any _____

Citizenship _____ Residence _____

Post Office Address (If different) _____

Second Inventor's signature: _____

Date: _____

Full name of THIRD joint inventor, if any _____

Citizenship _____ Residence _____

Post Office Address (If different) _____

Third Inventor's signature: _____

Date: _____

O I P E
JUN 11 1999

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

GP16 328ff
7/7/8

RECEIVED

JUN 18 1999

TECH CENTER 1600

**POWER OF ATTORNEY BY ASSIGNEE OF
ENTIRE INTEREST (REVOCATION OF PRIOR
POWERS AND APPOINTMENT OF NEW POWER)**

Docket Number:
2844/54002

Application Number
09/091,134

Filing Date
June 23, 1998

Examiner
R. R. Cole

Art Unit

Invention Title
LONG-TERM EXPRESSION OF GENE PRODUCTS

Inventor(s)
LEIDEN, Jeffrey M.

Address to:
Assistant Commissioner for Patents
Washington D.C. 20231

As assignee of the entire interest of the above-identified application by virtue of an Assignment filed in the U.S. Patent and Trademark Office on June 19, 1998, all powers of attorney previously given are hereby revoked and the following attorneys and/or agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

Charles R. Brainard (Reg. No. 21,069)
M. Lisa Wilson (Reg. No. 34,045)
Judith Toffenetti (Reg. No. 39,048)

SEND CORRESPONDENCE, AND DIRECT TELEPHONE CALLS TO:

Charles R. Brainard
KENYON & KENYON
One Broadway
New York, New York 10004
(212) 425-7200 (phone)
(212) 425-5288 (facsimile)

ARCH DEVELOPMENT CORPORATION

Date:

6/3/99

By:



Name: Alan Thomas

Title: Assistant Secretary

JUN 11 1999

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

CERTIFICATE UNDER 37 C.F.R. 3.73(b)

Docket Number
2844/54002

Application Number
09/091,134

Filing Date
June 23, 1998

Examiner
Richard R. Cole

Art Unit

Invention Title
LONG-TERM EXPRESSION OF GENE PRODUCTS

Inventor(s)
LEIDEN, Jeffrey M.

Address to:

Assistant Commissioner for Patents
Washington D.C. 20231

Arch Development Corporation, having an office and principal place of business at 1101 East 58th St., Chicago Illinois 60637 U.S.A., certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of: a chain of title from the inventors of the patent application identified above, to the current assignee as shown below:

(1) from Jeffrey M. LEIDEN to Arch Development Corporation, filed in the U.S. Patent and Trademark Office on June 19, 1998.

[x] Copies of assignment or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature : AL THOMAS

Name : Alan Thomas

Title : Assistant Secretary

Date : 6/1/99

Assignment

Serial No. Not yet assigned

Filed Concurrently herewith

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in LONG-TERM EXPRESSION OF GENE PRODUCTS and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith, and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to ARCH Development Corporation, 1101 East 58th Street, Chicago, Illinois 60637, USA and the heirs, successors, legal representatives and assigns of ARCH Development Corporation (hereinafter collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said considerations it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Auld have been held and enjoyed by the undersigned if this assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The undersigned also further agrees, for the said considerations, upon the request of said Assignee, to promptly perform all lawful acts deemed by said Assignee to be necessary or advisable in connection with maintaining, enforcing, or transferring the resulting grants of said Letters Patent in the United States or foreign countries. It is agreed that such lawful acts include, but are not limited to,

Serial No. Not yet assigned

Filed Concurrently herewith

taking oaths, executing declarations, powers, assignments and other papers and giving testimony. The attorneys of record in such application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

Jeffrey M. Leiden (Seal)

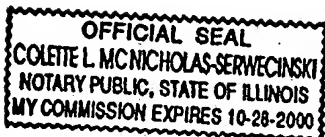
State of Illinois)
County of Cook) ss.

On June 17, 19 98, Jeffrey M. Leiden appeared before me, a Notary Public in and for the State and County aforesaid, and acknowledged that he freely and voluntarily subscribed and executed the foregoing Assignment for the purposes and uses therein expressed.

(SEAL)

Colette L. McNicholas-Serwecinski
Notary Public

My Commission Expires: 10-28-2000





UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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09/091134

06/23/98

LEIDEN

ARD1197P0120

EXAMINER

BAKER, ANNE MARIE

ART UNIT

PAPER NUMBER

1632

6

DATE MAILED:

07/07/99

ROCKEY MILNAMOW & KATZ
 TWO PRUDENTIAL PLAZA SUITE 4700
 150 NORTH STETSON AVENUE
 CHICAGO IL 60601

This is in response to the Power of Attorney filed 06/11/99

- ☐ 1. The Power of Attorney to you in this application **has been revoked** by the applicant. Future correspondence will be mailed to the new address of record. 37 CFR 1.33.
- ☒ 2. The Power of Attorney to you in this application **has been revoked** by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record. (37 CFR 1.33).
- ☐ 3. The withdrawal as attorney in this application **has been accepted**. Future correspondence will be mailed to the new address of record. 37 CFR 1.33.


RECEIVED
 KENYON & KENYON
 ONE BROADWAY
 NEW YORK, N.Y.
 JUL 12 10 12 AM '99

[Signature]
 This is a communication from the
 Patent and Trademark Office

- ☒ 4. The Power of Attorney in this application **is accepted**. Correspondence in this application will be mailed to the below-noted address as provided by 37 CFR 1.33.
- ☐ 5. The Power of Attorney in this application **is not accepted** for the reason(s) checked below:
- ☐ a. The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73 (b) has not been received.
- ☐ b. The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- ☐ c. The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- ☐ d. The signature of _____, a co-inventor in this application, has been omitted. The Power of Attorney will be entered upon receipt of confirmation signed by said co-inventor.
- ☐ e. The person(s) appointed in the Power of Attorney is not registered to practice before the U.S. Patent & Trademark Office.
- ☐ f. The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.

CHARLES R. BRAINARD
 KENYON & KENYON
 ONE BROADWAY
 NEW YORK, NY 10004

[Signature]
 This is a communication from the
 Patent and Trademark Office

Please type a plus sign (+) inside this box 

PTO/SB/122 (10-00)
Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CHANGE OF CORRESPONDENCE ADDRESS *Application*

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

Application Number	09/091,134
Filing Date	June 23, 1998
First Named Inventor	Jeffrey M. Leiden
Group Art Unit	1632
Examiner Name	A. Baker
Attorney Docket Number	104914.133

Please change the Correspondence Address for the above-identified application to:



Customer Number

28089

Type Customer Number here



28089

PATENT TRADEMARK OFFICE

OR



Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the :



Applicant/Inventor.



Assignee of record of the entire interest.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).



Attorney or Agent of record.



Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Typed or Printed
Name

M. Lisa Wilson

Signature

Date

2/16/11

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.



*Total of 1 forms are submitted.

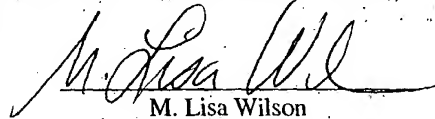
Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Jeffrey M. Leiden)	
)	
Serial No.: 09/091,134)	
)	Group Art Unit: 1632
Filed: June 23, 1998)	
)	Examiner: A. Baker
Title: Long Term Expression of Gene Products)	

CERTIFICATE OF MAILING (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, Washington, DC 20231 on February 16, 2001


M. Lisa Wilson
Reg. No. 34,045

Commission for Patents
Washington, D.C. 20231

Sir:

RECOGNITION FOR REPRESENTATION PURSUANT TO 37 C.F.R. §1.34

Pursuant to 37 C.F.R. §1.34(b), as principal attorney of record I hereby appoint the following persons as associate attorneys who also shall be of record:

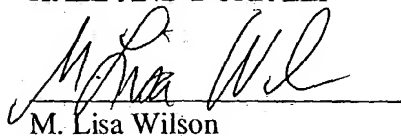
Scott M. ALTER, Reg. No. 32,879; Hollie L. BAKER, Reg. No. 31,321; Barbara A. BARAKAT, Reg. No. 32,190; Steven D. BARRETT, Reg. No. 40,903; Michael J. BEVILACQUA, Reg. No. 31,091; Sally BYRNE, Reg. No. 40,545; David J. CERVENY, Reg. No. 44,600; Nancy CHIU, Reg. No. 43,545; Peter M. DICHARA, Reg. No. 38,005; Michael A. DIENER, Reg. No. 37,122; Gregory S. DISCHER, Reg. No. 42,488; Ira H. DONNER, Reg. No. 35,120; Richard A. GOLDENBERG, Reg. No. 38,895; Edward D. GRIEFF, Reg. No. 38,898; Anthony Kahng, Reg. No. 42,704; Wayne M. KENNARD, Reg. No. 30,271; Wayne A. KEOWN, Reg. No. 33,923; Ann-Louise, KERNER, Reg. No. 33,523; Janice M. KLUNDER, Reg. No. 41,121; James B. LAMPERT, Reg. No. 24,564; Ayla A. LARI, Reg. No. 43,739; Nels LIPPERT, Reg. No. 25,888; Maria L. MAEBIUS, Reg. No. 42,967; Dominic MASSA, Reg. No. 44,905; Robert MCISAAC, Reg. No. 46,918; Keum J. PARK, Reg. No. 42,059; Jason A. REYES, Reg. No. 41,513; Gretchen A. RICE, Reg. No. 37,429; Donald R. STEINBERG, Reg. No. 37,241; Colleen SUPERKO, Reg. No. 39,850; C. Hall SWAIM, Reg. No. 22,838; Rajesh VALLABH, Reg. No. 37,761; Henry N. WIXON, Reg. No. 32,073; Luke YEH, Reg. No. 43,296

If there are any questions, please call the undersigned at the telephone number listed below.

February 16, 2001

Hale and Dorr
300 Park Avenue
New York, NY 10022
Direct Line: (212) 937-7258
Tel: (212) 937-7200
Fax: (212) 937-7300

Respectfully submitted,
HALE AND DORR LLP

A handwritten signature in dark ink, appearing to read 'M. Lisa Wilson', is written over a horizontal line.

M. Lisa Wilson
Reg. No. 34,045
Attorney for Applicant

sarah a. marcano - k:\wilson_lisa\legal\bostonscienfic\104914.133\us\documents\asspoa.doc